
Molecular Biology
(TM)

Release 3.1a John F. Collins, BioComputing Research Unit.
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Mparc_hp protein - protein database search, using Smith-Waterman algorithm
Run on: Thu Oct 21 16:36:36 1999; MasPar time 1.70 Seconds
Tabular output not generated. 110.090 Million cell updates/sec

Title: >US-08-978-217-12
Description: (1-16) from US08978217.pep
Sequence: 1 KNSGKKEEVLQSRN 16

Scoring table: PAM 150
Gap 15

Searched: 119857 segs, 11713122 residues

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database: a-issued
1:5A,COMB 2:5B,COMB 3:PCT9,COMB 4:backfiles1

Statistics: Mean 18.309; Variance 62.631; scale 0.292

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description	Pred. No.
1	110	100.0	371	2	US-08-746-Sequence 2, Applicatio	1.29e+04
2	71	64.5	2431	1	US-07-920-Sequence 2, Applicatio	1.86e+00
3	64	58.2	60	2	US-08-537-Sequence 18, Applicati	9.40e+00
4	62	56.4	2500	2	US-08-801-Sequence 2, Applicatio	1.48e+01
5	62	56.4	2512	2	US-08-801-Sequence 9, Applicatio	1.48e+01
6	62	56.4	2517	2	US-08-801-Sequence 5, Applicatio	1.48e+01
7	57	51.8	577	2	US-08-852-Sequence 4, Applicatio	4.54e+01
8	57	51.8	591	2	US-08-852-Sequence 6, Applicatio	4.54e+01
9	57	51.8	620	2	US-08-852-Sequence 2, Applicatio	4.54e+01
10	56	50.9	664	2	US-08-852-Sequence 8, Applicatio	4.54e+01
11	56	50.9	189	2	US-08-884-Sequence 3, Applicatio	5.66e+01
12	56	50.9	189	2	US-09-096-Sequence 3, Applicatio	5.66e+01
13	55	50.0	189	2	US-09-096-Sequence 4, Applicatio	7.05e+01
14	55	50.0	189	2	US-08-884-Sequence 4, Applicatio	7.05e+01
15	52	47.3	717	1	US-08-435-Sequence 2, Applicatio	1.35e+02
16	52	47.3	1184	2	US-08-064-Sequence 20, Applicati	1.35e+02
17	52	47.3	1184	1	US-08-446-Sequence 20, Applicati	1.35e+02
18	52	47.3	1184	1	US-09-066-Sequence 20, Applicati	1.35e+02
19	52	47.3	1184	2	US-08-446-Sequence 20, Applicati	1.35e+02
20	52	47.3	1184	2	US-08-805-Sequence 20, Applicati	1.35e+02
21	52	47.3	1187	3	PCT-US95-1-Sequence 8, Applicatio	1.35e+02
22	52	47.3	1187	2	US-08-003-Sequence 8, Applicatio	1.35e+02
23	52	47.3	1187	1	US-08-357-Sequence 8, Applicatio	1.35e+02

RESULT	ID	US-08-746-789A-2	STANDARD:	PRT:	371 AA.	
24	52	47.3	1187	1	US-08-097-Sequence 13, Applicati	1.35e+02
25	51	46.4	347	1	US-08-118-Sequence 47, Applicati	1.67e+02
26	51	46.4	347	3	PCT-US93-0-Sequence 47, Applicati	1.67e+02
27	51	46.4	393	1	US-07-629-Sequence 3, Applicatio	1.67e+02
28	50	45.5	398	2	US-08-288-Sequence 15, Applicati	2.07e+02
29	50	45.5	761	2	US-08-710-Sequence 2, Applicatio	2.07e+02
30	50	45.5	761	1	US-07-906-Sequence 2, Applicatio	2.07e+02
31	50	45.5	761	3	PCT-US93-0-Sequence 2, Applicatio	2.07e+02
32	50	45.5	761	1	US-08-192-Sequence 2, Applicatio	2.07e+02
33	50	45.5	1018	2	PCT-US93-1-Sequence 75, Applicatio	2.07e+02
34	50	45.5	1064	2	US-08-537-Sequence 3, Applicatio	2.07e+02
35	50	45.5	2523	2	US-08-185-Sequence 18, Applicati	2.07e+02
36	50	45.5	2955	2	US-08-443-Sequence 3, Applicatio	2.07e+02
37	50	45.5	3011	3	PCT-US91-0-Sequence 10, Applicati	2.56e+02
38	49	44.5	17	1	US-08-323-Sequence 60, Applicatio	2.56e+02
39	49	44.5	363	3	PCT-US96-0-Sequence 7, Applicatio	2.56e+02
40	49	44.5	363	3	PCT-US96-0-Sequence 4, Applicatio	2.56e+02
41	49	44.5	363	1	US-08-488-Sequence 7, Applicatio	2.56e+02
42	49	44.5	462	4	5225348-1-Patent No. 5225348.	2.56e+02
43	49	44.5	462	1	US-08-299-Sequence 1, Applicatio	2.56e+02
44	49	44.5	3011	2	US-08-710-Sequence 2, Applicatio	2.56e+02
45	49	44.5	3011	3	PCT-US95-0-Sequence 1, Applicatio	2.56e+02

ALIGNMENTS

Sequence 1
ID US-08-746-789A-2 STANDARD: PRT: 371 AA.
XX xxxxxx
AC
XX
DT
DE
Sequence 2, Application US/08746789A
CC
CC Patent No. 5789200
CC GENERAL INFORMATION:
CC APPLICANT: Ismail Kola, Martin J. Tytms, Christine Debouck
CC TITLE OF INVENTION: A No. 5789200el Human ETS Family Member, ELF3
CC NUMBER OF SEQUENCES: 4
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: SmithKline Beecham Corporation
CC STREET: 709 Swedeland Road, P.O. Box 1539
CC CITY: King of Prussia
CC STATE: PA
CC COUNTRY: USA
CC ZIP: 19406-0939
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
CC COMPUTER: IBM 486
CC OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
CC SOFTWARE: MICROSOFT WORD
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/746,789A
CC FILING DATE: No. 5789200el December 15, 1996
CC CLASSIFICATION: 514
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER:
CC FILING DATE:
CC ATTORNEY/AGENT INFORMATION:
CC NAME: William T. Han
CC REGISTRATION NUMBER: 34,344
CC REFERENCE/DOCKET NUMBER: ATG 50024
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 610 270 5219
CC TELEFAX: 610 270 4026
CC INFORMATION FOR SEQ ID NO: 2:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 371
CC TYPE: Amino Acid
CC TOPOLOGY: Linear
CC SEQUENCE 371 AA; 41588 MW; 688671 CN;

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cc APPLICANT: SIMPSON, DENNIS A.

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CC TITLE OF INVENTION: System for the In Vivo Delivery and
CC TITLE OF INVENTION: Expression of Heterologous Genes in the Bone Marrow
CC NUMBER OF SEQUENCES: 12
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Bell Seltzer Park & Gibson, P.A.
CC STREET: 1211 East Morehead Street
CC CITY: Charlotte
CC STATE: No. 5811407th Carolina
CC COUNTRY: USA
CC ZIP: 28234
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patentln Release #1.0, Version #1.30
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/801.263A
CC FILING DATE: 19-FEB-1997
CC CLASSIFICATION: 514
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Sibley, Kenneth D.
CC REGISTRATION NUMBER: 31,665
CC REFERENCE/DOCKET NUMBER: 5470-147
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 919-420-2200
CC TELEFAX: 919-881-3175
CC INFORMATION FOR SEQ ID NO: 2:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 2500 amino acids
CC TYPE: amino acid
CC TOPOLOGY: linear
CC MOLECULE TYPE: protein
CC SEQUENCE 2500 AA; 278373 MW; 31917018 CN;
SC
Query Match 56.4%; Score 62; DB 2; Length 2500;
Best Local Similarity 42.9%; Pred.No.1,48+01;
Matches 6; Conservative 5; Mismatches 3; Indels 0; Gaps 0;
Db 197 NTNMADEKYLEARN 210
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QY 3 SSGWKEEVLQSRN 16
RESULT 5 STANDARD; PRT; 2512 AA.
ID US-08-801-263A-9
AC xxxxxx
XX
XX
XX
XX
Sequence 9, Application US/08801263A
De Patent No. 5811407
CC GENERAL INFORMATION:
CC APPLICANT: Johnston, Robert E.
CC APPLICANT: Davis, Nancy L.
CC APPLICANT: Simpson, Dennis A.
CC TITLE OF INVENTION: System for the In Vivo Delivery and
CC TITLE OF INVENTION: Expression of Heterologous Genes in the Bone Marrow
CC NUMBER OF SEQUENCES: 12
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Bell Seltzer Park & Gibson, P.A.
CC STREET: 1211 East Morehead Street
CC CITY: Charlotte
CC STATE: No. 5811407th Carolina
CC COUNTRY: USA
CC ZIP: 28234
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patentln Release #1.0, Version #1.30

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CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/801,263A
CC FILING DATE: 19-FEB-1997
CC CLASSIFICATION: 514
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Sibley, Kenneth D.
CC REGISTRATION NUMBER: 31,665
CC REFERENCE/DOCKET NUMBER: 5470-147
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 919-420-2200
CC TELEFAX: 919-881-3175
CC INFORMATION FOR SEQ ID NO: 9:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 2512 amino acids
CC TYPE: amino acid
CC TOPOLOGY: linear
CC MOLECULE TYPE: protein
CC SEQUENCE 2512 AA; 279574 MM; 32345614 CN;
SQ
Query Match 56.4%; Score 62; DB 2; Length 2512;
Best Local Similarity 42.9%; Pred. No. 1,48e+01;
Matches 6; Conservative 5; Mismatches 3; Indels 0; Gaps 0;
Db 197 NTNMADEKYLEARN 210
OY 3 SSGWKEEYLOS RN 16
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XX AC xxxxxx
XX DF
XX DE
XX ID RESULT 6 STANDARD; PRT; 2517 AA.
XX AC US-08-801-263A-5
XX AC xxxxxx
XX DE
Sequence 5, Application US/08801263A
CC Sequence 5, Application US/08801263A
CC Patent No. 5811407
CC GENERAL INFORMATION:
CC APPLICANT: Johnston, Robert E.
CC APPLICANT: Davis, Nancy L.
CC APPLICANT: Simpson, Dennis A.
CC TITLE OF INVENTION: System for the In Vivo Delivery and
CC TITLE OF INVENTION: Expression of Heterologous Genes in the Bone Marrow
CC NUMBER OF SEQUENCES: 12
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Bell Seltzer Park & Gibson, P.A.
CC STREET: 1211 East Morehead Street
CC CITY: Charlotte
CC STATE: No. 5811407th Carrolla
CC COUNTRY: USA
CC ZIP: 28234
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patentin Release #1.0, Version #1.30
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/801,263A
CC FILING DATE: 19-FEB-1997
CC CLASSIFICATION: 514
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Sibley, Kenneth D.
CC REGISTRATION NUMBER: 31,665
CC REFERENCE/DOCKET NUMBER: 5470-147
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 919-420-2200
CC TELEFAX: 919-881-3175
CC INFORMATION FOR SEQ ID NO: 5:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 2517 amino acids
CC TYPE: amino acid
CC

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CC TOPOLOGY: linear
CC MOLECULE TYPE: protein
SQ SEQUENCE 2517 AA; 280042 MW; 32478712 CN;

Query Match
Best Local Similarity 56.4%; Score 62; DB 2; Length 2517;
Matches 6; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

Db 197 NTNMADEKYLEARN 210
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QY 3 SSGMKREEEVLQSRN 16

RESULT 7
ID US-08-852-153-4 STANDARD; PRT; 577 AA.
XX xxxxxx
AC
DT
XX
XX
DE Sequence 4, Application US/08852153
XX Sequence 4, Application US/08852153
CC Patent No. 5914266
CC GENERAL INFORMATION:
CC APPLICANT: Randazzo, Filippo
CC TITLE OF INVENTION: Mammalian Sex Comb on Midleg Acts as a Tumor Suppressor
CC NUMBER OF SEQUENCES: 8
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Chiron Corporation
CC STREET: 4560 Horton Street
CC CITY: Emeryville
CC STATE: California
CC COUNTRY: U.S.A.
CC ZIP: 94608
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patentin Release #1.0, Version #1.30
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/852,153
CC FILING DATE:
CC CLASSIFICATION: 435
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Guth, Joseph H.
CC REGISTRATION NUMBER: 31,261
CC REFERENCE/DOCKET NUMBER: 1224.006
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: (510) 923-3888
CC TELEFAX: (510) 655-3542
CC INFORMATION FOR SEQ ID NO: 4:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 577 amino acids
CC TYPE: amino acid
CC STRANDEDNESS: single
CC TOPOLOGY: linear
CC MOLECULE TYPE: protein
CC SEQUENCE 577 AA; 63869 MW; 1739684 CN;

Query Match
Best Local Similarity 51.8%; Score 57; DB 2; Length 577;
Matches 5; Conservative 6; Mismatches 2; Indels 0; Gaps 0;

Db 505 RDPSSWVEDVMQ 517
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QY 1 KNSSGMKREEEVLQ 13

RESULT 8
ID US-08-852-153-6 STANDARD; PRT; 591 AA.
XX xxxxxx
AC
DT
XX
XX
DE Sequence 4, Application US/08852153
XX Sequence 4, Application US/08852153
CC Patent No. 5914266
CC GENERAL INFORMATION:
CC APPLICANT: Randazzo, Filippo
CC TITLE OF INVENTION: Mammalian Sex Comb on Midleg Acts as a Tumor Suppressor
CC NUMBER OF SEQUENCES: 8
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Chiron Corporation
CC STREET: 4560 Horton Street
CC CITY: Emeryville
CC STATE: California
CC COUNTRY: U.S.A.

XX
DT
XX
XX
DE Sequence 6, Application US/08852153
XX Sequence 6, Application US/08852153
CC Patent No. 5914266
CC GENERAL INFORMATION:
CC APPLICANT: Randazzo, Filippo
CC TITLE OF INVENTION: Mammalian Sex Comb on Midleg Acts as a Tumor Suppressor
CC NUMBER OF SEQUENCES: 8
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Chiron Corporation
CC STREET: 4560 Horton Street
CC CITY: Emeryville
CC STATE: California
CC COUNTRY: U.S.A.
CC ZIP: 94608
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patentin Release #1.0, Version #1.30
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/852,153
CC FILING DATE:
CC CLASSIFICATION: 435
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Guth, Joseph H.
CC REGISTRATION NUMBER: 31,261
CC REFERENCE/DOCKET NUMBER: 1224.006
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: (510) 923-3888
CC TELEFAX: (510) 655-3542
CC INFORMATION FOR SEQ ID NO: 6:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 591 amino acids
CC TYPE: amino acid
CC STRANDEDNESS: single
CC TOPOLOGY: linear
CC MOLECULE TYPE: protein
CC SEQUENCE 591 AA; 65480 MW; 1825228 CN;

Query Match
Best Local Similarity 51.8%; Score 57; DB 2; Length 591;
Matches 5; Conservative 6; Mismatches 2; Indels 0; Gaps 0;

Db 519 RDPSSWVEDVMQ 531
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QY 1 KNSSGMKREEEVLQ 13

RESULT 9
ID US-08-852-153-2 STANDARD; PRT; 620 AA.
XX xxxxxx
AC
DT
XX
XX
DE Sequence 2, Application US/08852153
XX Sequence 2, Application US/08852153
CC Patent No. 5914266
CC GENERAL INFORMATION:
CC APPLICANT: Randazzo, Filippo
CC TITLE OF INVENTION: Mammalian Sex Comb on Midleg Acts as a Tumor Suppressor
CC NUMBER OF SEQUENCES: 8
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Chiron Corporation
CC STREET: 4560 Horton Street
CC CITY: Emeryville
CC STATE: California
CC COUNTRY: U.S.A.

CC ZIP: 94608
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patentin Release #1.0, Version #1.30
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/852,153
CC FILING DATE:
CC CLASSIFICATION: 435
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Guth, Joseph H.
CC REGISTRATION NUMBER: 31,261
CC REFERENCE/DOCKET NUMBER: 1224,006
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: (510) 923-3888
CC TELEFAX: (510) 655-3542
CC INFORMATION FOR SEQ ID NO: 2:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 620 amino acids
CC TYPE: amino acid
CC STRANDEDNESS: single
CC TOPOLOGY: linear
CC MOLECULE TYPE: protein
CC SEQUENCE 620 AA; 68786 MW; 2009958 CN;
SQ
Query Match 51.8%; Score 57; DB 2; Length 620;
Best Local Similarity 38.5%; Pred. No. 4.54e+01;
Matches 5; Conservative 6; Mismatches 2; Indels 0; Gaps 0;
Db 548 RDPSSWTVEDVQ 560
QY 1 KNSSGMKEEVQ 13
RESULT 10
ID US-08-852-153-8 STANDARD: PRT: 664 AA.
XX AC xxxxxx
XX DT
XX DE Sequence 8, Application US/08852153
XX CC Sequence 8, Application US/08852153
XX CC Patent No. 5914266
XX CC GENERAL INFORMATION:
XX CC APPLICANT: Randazzo, Filippo
XX CC TITLE OF INVENTION: Mammalian Sex Comb on Midleg Acts as a Tumor Suppressor
XX CC NUMBER OF SEQUENCES: 8
XX CC CORRESPONDENCE ADDRESS:
XX CC ADDRESSEE: Chiron Corporation
XX CC STREET: 4560 Horton Street
XX CC CITY: Emeryville
XX CC STATE: California
XX CC COUNTRY: U.S.A.
XX CC ZIP: 94608
XX CC COMPUTER READABLE FORM:
XX CC MEDIUM TYPE: Floppy disk
XX CC COMPUTER: IBM PC compatible
XX CC OPERATING SYSTEM: PC-DOS/MS-DOS
XX CC SOFTWARE: Patentin Release #1.0, Version #1.30
XX CC CURRENT APPLICATION DATA:
XX CC APPLICATION NUMBER: US/08/852,153
XX CC FILING DATE:
XX CC CLASSIFICATION: 435
XX CC ATTORNEY/AGENT INFORMATION:
XX CC NAME: Guth, Joseph H.
XX CC REGISTRATION NUMBER: 31,261
XX CC REFERENCE/DOCKET NUMBER: 1224,006
XX CC TELECOMMUNICATION INFORMATION:
XX CC TELEPHONE: (510) 923-3888
XX CC TELEFAX: (510) 655-3542
CC

CC INFORMATION FOR SEQ ID NO: 8:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 664 amino acids
CC TYPE: amino acid
CC STRANDEDNESS: single
CC TOPOLOGY: linear
CC MOLECULE TYPE: protein
CC SEQUENCE 664 AA; 73732 MW; 2335520 CN;
SQ
Query Match 51.8%; Score 57; DB 2; Length 664;
Best Local Similarity 38.5%; Pred. No. 4.54e+01;
Matches 5; Conservative 6; Mismatches 2; Indels 0; Gaps 0;
Db 592 RDPSSWTVEDVQ 604
QY 1 KNSSGMKEEVQ 13
RESULT 11
ID US-08-884-682-3 STANDARD: PRT: 189 AA.
XX AC xxxxxx
XX DT
XX DE Sequence 3, Application US/08884682
XX CC Sequence 3, Application US/08884682
XX CC Patent No. 5804419
XX CC GENERAL INFORMATION:
XX CC APPLICANT: Bandman, Olga
XX CC APPLICANT: Corley, Neil C.
XX CC APPLICANT: Shah, Puri
XX CC TITLE OF INVENTION: CALCIUM-BINDING PHOSPHOPROTEIN
XX CC NUMBER OF SEQUENCES: 4
XX CC CORRESPONDENCE ADDRESS:
XX CC ADDRESSEE: Incyte Pharmaceuticals, Inc.
XX CC STREET: 3174 Porter Drive
XX CC CITY: Palo Alto
XX CC STATE: CA
XX CC COUNTRY: USA
XX CC ZIP: 94304
XX CC COMPUTER READABLE FORM:
XX CC MEDIUM TYPE: Diskette
XX CC COMPUTER: IBM Compatible
XX CC OPERATING SYSTEM: DOS
XX CC SOFTWARE: FastSeq for Windows Version 2.0
XX CC CURRENT APPLICATION DATA:
XX CC APPLICATION NUMBER: US/08/884,682
XX CC FILING DATE: Filed Herewith
XX CC PRIOR APPLICATION DATA:
XX CC APPLICATION NUMBER:
XX CC FILING DATE:
XX CC ATTORNEY/AGENT INFORMATION:
XX CC NAME: Billings, Lucy J.
XX CC REGISTRATION NUMBER: 36,749
XX CC REFERENCE/DOCKET NUMBER: PF-0330 US
XX CC TELECOMMUNICATION INFORMATION:
XX CC TELEPHONE: 415-855-0555
XX CC TELEFAX: 415-845-4166
XX CC INFORMATION FOR SEQ ID NO: 3:
XX CC SEQUENCE CHARACTERISTICS:
XX CC LENGTH: 189 amino acids
XX CC TYPE: amino acid
XX CC STRANDEDNESS: single
XX CC TOPOLOGY: linear
XX CC IMMEDIATE SOURCE:
XX CC LIBRARY: GenBank
XX CC CLONE: 877
SQ SEQUENCE 189 AA; 21131 MW; 178551 CN;
Query Match 50.9%; Score 56; DB 2; Length 189;
Best Local Similarity 63.6%; Pred. No. 5.66e+01;

Matches 7: Conservative 2: Mismatches 2: Indels 0: Gaps 0:

Db 132 SGEWTEEVLR 142
1: | | | | |
OY 3 SSGWKEEVLR 13

RESULT 12
ID US-09-096-082-3 STANDARD: PRT: 189 AA.
XX xxxxxx
DT
DE Sequence 3, Application US/09096082
XX Sequence 3, Application US/09096082
CC Patent No. 5929029
CC GENERAL INFORMATION:
CC APPLICANT: Bandman, Olga
CC APPLICANT: Corley, Neil C.
CC APPLICANT: Shah, Purvi
CC TITLE OF INVENTION: CALCIUM-BINDING PHOSPHOPROTEIN
CC NUMBER OF SEQUENCES: 4
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Incyte Pharmaceuticals, Inc.
CC STREET: 3174 Porter Drive
CC CITY: Palo Alto
CC STATE: CA
CC COUNTRY: USA
CC ZIP: 94304
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Diskette
CC COMPUTER: IBM Compatible
CC OPERATING SYSTEM: DOS
CC SOFTWARE: FASTSEQ for Windows Version 2.0
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/09/096,082
CC FILING DATE:
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: US/08/884,682
CC FILING DATE:
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Billings, Lucy J.
CC REGISTRATION NUMBER: 36,749
CC REFERENCE/DOCKET NUMBER: PF-0330 US
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 415-855-0555
CC TELEFAX: 415-845-4166
CC INFORMATION FOR SEQ ID NO: 3:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 189 amino acids
CC TYPE: amino acid
CC STRANDEDNESS: single
CC TOPOLOGY: linear
CC IMMEDIATE SOURCE:
CC LIBRARY: Genbank
CC CLONE: 877
CC SEQUENCE 189 AA: 21131 MW: 178551 CN:

Query Match 50.9%; Score 56; DB 2; Length 189;
Best Local Similarity 63.6%; Pred. No. 5.66e+01;
Matches 7: Conservative 2: Mismatches 2: Indels 0: Gaps 0:

Db 132 SGEWTEEVLR 142
1: | | | | |
OY 3 SSGWKEEVLR 13

RESULT 13
ID US-09-096-082-4 STANDARD: PRT: 189 AA.
XX xxxxxx
AC

XX
DT
DE Sequence 4, Application US/09096082
XX Sequence 4, Application US/09096082
CC Patent No. 5929029
CC GENERAL INFORMATION:
CC APPLICANT: Bandman, Olga
CC APPLICANT: Corley, Neil C.
CC APPLICANT: Shah, Purvi
CC TITLE OF INVENTION: CALCIUM-BINDING PHOSPHOPROTEIN
CC NUMBER OF SEQUENCES: 4
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Incyte Pharmaceuticals, Inc.
CC STREET: 3174 Porter Drive
CC CITY: Palo Alto
CC STATE: CA
CC COUNTRY: USA
CC ZIP: 94304
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Diskette
CC COMPUTER: IBM Compatible
CC OPERATING SYSTEM: DOS
CC SOFTWARE: FASTSEQ for Windows Version 2.0
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/09/096,082
CC FILING DATE:
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: US/08/884,682
CC FILING DATE:
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Billings, Lucy J.
CC REGISTRATION NUMBER: 36,749
CC REFERENCE/DOCKET NUMBER: PF-0330 US
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 415-855-0555
CC TELEFAX: 415-845-4166
CC INFORMATION FOR SEQ ID NO: 4:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 189 amino acids
CC TYPE: amino acid
CC STRANDEDNESS: single
CC TOPOLOGY: linear
CC IMMEDIATE SOURCE:
CC LIBRARY: Genbank
CC CLONE: 1359717
CC SEQUENCE 189 AA: 20967 MW: 175626 CN:

Query Match 50.0%; Score 55; DB 2; Length 189;
Best Local Similarity 54.5%; Pred. No. 7.05e+01;
Matches 6: Conservative 3: Mismatches 2: Indels 0: Gaps 0:

Db 132 SGEWTEEVLR 142
1: | | | | |
OY 3 SSGWKEEVLR 13

RESULT 14
ID US-08-884-682-4 STANDARD: PRT: 189 AA.
XX xxxxxx
AC
DT
DE Sequence 4, Application US/08884682
XX Sequence 4, Application US/08884682
CC Patent No. 5804419
CC GENERAL INFORMATION:
CC APPLICANT: Bandman, Olga
CC APPLICANT: Corley, Neil C.
CC APPLICANT: Shah, Purvi

CC TITLE OF INVENTION: CALCIUM-BINDING PHOSPHOPROTEIN
CC NUMBER OF SEQUENCES: 4
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Incyte Pharmaceuticals, Inc.
CC STREET: 3174 Porter Drive
CC CITY: Palo Alto
CC STATE: CA
CC COUNTRY: USA
CC ZIP: 94304
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Diskette
CC COMPUTER: IBM Compatible
CC OPERATING SYSTEM: DOS
CC SOFTWARE: FASTSEQ for Windows Version 2.0
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/884,682
CC FILING DATE: Filed Herewith
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER:
CC FILING DATE:
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Billings, Lucy J.
CC REGISTRATION NUMBER: 36,749
CC REFERENCE/DOCKET NUMBER: PF-0330 US
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 415-855-0555
CC TELEFAX: 415-845-4166
CC INFORMATION FOR SEQ ID NO: 4:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 189 amino acids
CC TYPE: amino acid
CC STRANDEDNESS: single
CC TOPOLOGY: linear
CC IMMEDIATE SOURCE:
CC LIBRARY: GenBank
CC CLONE: 1359717
SQ SEQUENCE 189 AA; 20967 MW; 175626 CN;

Db 132 SCGWTEDVLR 142
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QY 3 SSGMKKEEV1Q 13

RESULT 15
ID US-08-435-925C-2 STANDARD: PRT: 717 AA.
XX
AC xxxxxx
XX
DT
XX
DE Sequence 2, Application US/08435925C
XX
CC Sequence 2, Application US/08435925C
CC Patent No. 5646025
CC GENERAL INFORMATION:
CC APPLICANT: Moyet, Donna
CC TITLE OF INVENTION: SCYTALIDUM CATALASE GENE
CC NUMBER OF SEQUENCES: 18
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: No. 56460250 No. 5646025disk of No. 5646025th America, Inc.
CC STREET: 405 Lexington Avenue, 64th Floor
CC CITY: New York
CC STATE: New York
CC COUNTRY: USA
CC ZIP: 10174-6401
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS

CC SOFTWARE: Patent Release #1.0, Version #1.30
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/435,925C
CC FILING DATE: 05-MAY-1995
CC CLASSIFICATION: 435
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Lambiris, Elias J.
CC REGISTRATION NUMBER: 33,728
CC REFERENCE/DOCKET NUMBER: 4429,000-US
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 212-867-0123
CC TELEFAX: 212-867-9655
CC INFORMATION FOR SEQ ID NO: 2:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 717 amino acids
CC TYPE: amino acid
CC TOPOLOGY: linear
CC MOLECULE TYPE: protein
SQ SEQUENCE 717 AA; 78739 MW; 2637111 CN;

Db 272 KASLVWEAQLSGKN 287
| | | | | : | | : | |
QY 1 KNSGKKEEV1QSRN 16

Query Match 47.3%; Score 52; DB 1; Length 717;
Best Local Similarity 43.8%; Pred. No. 1.35e+02;
Matches 7; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

Search completed: Thu Oct 21 16:36:44 1999
Job time : 8 secs.

